

CLAIMS

I claim:

1. An anchor assembly for a post-tension system comprising:
 - an anchor member having an end surface;
 - a polymeric encapsulation covering said anchor members, said polymeric encapsulation having a tubular section extending outwardly of said end surface;
 - a rigid ring affixed within said tubular section, said rigid ring having a notch formed on an inner wall thereof; and
 - a cap having a generally tubular body with an open end and a closed end, said cap having a flanged end adjacent said open end, said flanged end having an outer periphery engageable within said notch of said rigid ring.
2. The anchor assembly of Claim 1, said flanged end having an end surface and an outer wall extending outwardly therefrom, said outer wall having a lip formed at an end thereof opposite said end surface, said lip being said outer periphery engageable within said notch.
3. The anchor assembly of Claim 2, said outer wall having a groove formed in said outer wall, the assembly further comprising:
 - an elastomeric seal received within said groove and extending around said cap, said elastomeric seal being in generally liquid-tight engagement with said inner wall of said rigid ring.
4. The anchor assembly of Claim 1, said rigid ring being of a steel material.
5. The anchor assembly of Claim 1, said polymeric encapsulation being in injection molded relationship around an exterior surface of said rigid ring.

6. The anchor assembly of Claim 1, said notch comprising a first notch formed around said inner wall of said rigid ring adjacent an end of rigid ring opposite said end surface of said anchor member.

7. The anchor assembly of Claim 6, said notch comprising a second notch formed around said inner wall of said rigid ring adjacent an opposite end of said rigid ring, said second notch being in spaced parallel relationship to said first notch.

8. The anchor assembly of Claim 1, further comprising:

a tendon affixed to said anchor member, said tendon having an end extending outwardly of said end surface of said anchor member and into said open end of said cap.

9. The anchor assembly of Claim 1, said rigid ring having a tapered surface at an end thereof adjacent an end of said tubular section of said polymeric encapsulation opposite said end surface of said anchor member.

10. An improved cap for an anchor of a post-tension anchor system comprising:

a tubular body having an open end and a closed end; and

a flanged surface extending radially outwardly of said tubular body at said open end, said flanged surface having an end surface and an outer wall extending outwardly therefrom, said outer wall having a lip formed at an end of said outer wall opposite said end surface, said lip projecting radially outwardly from said outer wall.

11. The cap of Claim 10, said outer wall of said flanged surface having a grooves formed therein, the cap further comprising:

an elastomeric seal received within said grooves and extending around said outer wall.

12. The cap of Claim 10, said lip having a generally flat surface at an outer edge thereof.

13. The cap of Claim 10, said outer wall being deformable so as to allow said lip to fit through an opening having a diameter narrower than a diameter of an outer periphery of said lip.

14. An anchor for a post-tension anchor system comprising:

an anchor member having an end surface;

a polymeric encapsulation covering said anchor member, said polymeric encapsulation having a tubular section extending outwardly of said end surface;

a rigid ring affixed within said tubular section, said rigid ring having a notch formed on an inner wall thereof.

15. The anchor of Claim 14, said rigid ring being of a steel material.

16. The anchor of Claim 14, said polymeric encapsulation being an injection molded relationship around an exterior surface of said rigid ring.

17. The anchor of Claim 14, said notch comprising a first notch formed around said inner wall of said rigid ring adjacent an end of rigid ring opposite said end surface of said anchor member.

18. The anchor of Claim 17, said notch further comprising a second notch formed around said inner wall of said rigid ring adjacent an opposite end of said rigid ring, said second notch being in spaced parallel relationship to said first notch.

19. The anchor of Claim 14, said rigid ring having a tapered surface at an end thereof adjacent an end of said tubular section of said polymeric encapsulation opposite said end surface of said anchor member.

20. The anchor of Claim 14, further comprising:

a tendon affixed to said anchor member, said tendon having an end extending outwardly of said end surface of said anchor member.